

BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Brand, Walther.

Einige Ergebnisse der Registrierung von Luftdruck und Temperatur auf der Danmark-Expedition nach Nordostgrönland. Marburg. 1912. cover-title, 39 p. fold. chart. tables (part. fold.) 22½ cm. (Wissenschaftliche Beilage zum Jahresbericht der Oberrealschule . . . zu Marburg an der Lahn.) Progr.-Nr. 585.

Brockmöller, W.

Die geographische Verbreitung der monatlichen Barometerschwankungen. Kiel. 1912. 1 p. 1., 43 p., 1. charts (part. fold.) tables. 30 cm. Inaug.-Diss.

Buresch, Hugo.

Bericht der meteorologischen Beobachtungsstation über den Zeitraum vom 1. Dezember 1908 bis 30. November 1910. (In Jahres-Bericht des k. k. Staats-Gymnasiums in Bielitz für das Schuljahr 1910/1911. Bielitz. 1911. p. [3]-7. tables. 23 cm.)

Dorsey, M. J.

Relation of weather to fruitfulness in the plum. Washington. 1919. cover-title. illus. plate. chart. tables. 26½ cm. (Reprinted from Journal of agricultural research. Vol. 17, no. 3. p. 103-106.) "Literature cited," p. 125-126.

Ekholt, Nils.

Om perioder i väderleken och därpå grundade frötsägelser, särskilt med avseende på vintersjöfarten på Bottniska viken. Stockholm. 1919. cover-title. tables. 23 cm. (Särtryck ur Skeppstjänstkommitterades betänkande 2, p. 84-102.)

Hongkong. Observatory.

Report of the director for the year 1918. Hongkong. 1919. cover-title, 20 p. tables. 24½ cm.

Huntington, Ellsworth.

World-power and evolution. New Haven. 1919. 287 p. charts. 23½ cm. "References," p. [260]-265. [Points out influence of climate on evolution. Reviewed in *Science*, Aug. 30, 1919, pp. 211-213.]

Leffingwell, Ernest de K.

The Canning River region, northern Alaska. Washington. 1919. 251 p. plates. maps. diagrs. tables. 29 cm. 6 fold. maps in envelope at back. (U. S. Geological survey. Professional paper 109.) [Meteorology, p. 46-47; Climate, p. 60-62; Ground ice, p. 179-243, including a "Review of the literature on ground ice" and a "Bibliography."]

Mississippi. Geological survey.

Bulletin no. 14. Mississippi; its geology, geography, soil and mineral resources. A revision with additions of Bulletin no. 12. By E. N. Lowe. Jackson. 1919. 346 p. illus. fold. map. tables. 23½ cm. [Climate, p. 170-171; Weathering, p. 17-25; Soil erosion, p. 282-291.]

Oehmichen, Walter.

Über die Verwendbarkeit von Filmen zu Messungen der relativen Feuchtigkeit. Marburg. 1913. cover-title, 45 p. illus. fold. chart. tables. 22½ cm. Inaug.-Diss.

Osaka. Meteorological observatory.

Annual report for the year 1918. Part 2. Seismological observations in Osaka, 1918. Osaka. 1919. cover-title, 24 p. fold. charts. tables. 26 cm. Text in Japanese.

Rio Grande do Sul. Instituto astronomico e meteorologico da Escola de engenharia. Secção de meteorologia.

Dados meteorologicas, 1915-1916. Porte Alegre. 1917-1918. 2 v. charts. tables. 33 x 33 cm.

Royal aeronautical society.

A glossary of aeronautical terms. Prepared by the Technical terms committee of the Royal aeronautical society, approved by the Engineering standards association. Embodying a schedule of aerodynamical symbols approved by the Advisory committee for aeronautics. Edited for the Council by W. B. Faraday. London. 1919. 106 p. illus. 25 cm. ["Meteorology," p. 29-40.]

Skandinaviska geofysikermötet i Göteborg den 28-31 augusti, 1918.

Förhandlingar, utgivna av Otto Nordenkjöld och Hans Pettersson. [Göteborg, 1919.] xix, 79 [1] p. illus. charts. tables. 23½ cm. An "Index of papers read before the Congress" is given in English on p. [80].

Stolze, Hugo.

Untersuchungen über die hygroscopischen Eigenschaften der Kunstseide, der Kokonfäden und des Fischbeins. Marburg. 1914. cover-title, 36 p. tables. fold. diagr. 22½ cm. Inaug.-Diss.

Upsala. Université. Observatoire météorologique.

Bulletin mensuel. Vol. L. Année 1918. Upsala. 1918-1919. 1 p. l., 74 p. tables. 34 cm.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American philosophical society. Proceedings. Philadelphia. v. 58. no. 2, 1919.

Millikan, Robert A. Some scientific aspects of the meteorological work of the United States army. p. 133-149. [See *Mo. WEATHER REV.*, Apr., 1919, p. 210-215.]

Physico-mathematical society of Japan. Proceedings. Tokyo. v. 1. June, 1919.

Torada, Torahiko. On the analogy of the temperature variation of Nova Aquila and the frequency variation of the after-shocks of earthquakes. p. 180-185.

Royal meteorological society. Quarterly journal. London. v. 45. July, 1919.

Hill, Leonard. Atmospheric conditions which affect health. p. 189-207.

Barnes, Alfred A. Rainfall in England: the true long-average as deduced from symmetry. p. 209-232.

Brooks, Charles E. P. The secular variation of rainfall. p. 233-248.

Mossman, Robert C. The mean temperature of Rio de Janeiro, 1871-1917. p. 249-251.

Brooks, Charles E. P. Charts of mean temperature in Africa. p. 251-252.

Captain Melville Willis Campbell Hepworth, R. N. R., C. B., R. D. p. 257-258. [Obituary.]

Lennon, Richard T. Unattended rain-gage. p. 266.

Royal society. Proceedings. London. ser. A. v. 95. no. A673. 1919.

Galitzin, B. An apparatus for the direct determination of accelerations. p. 492-507. [Of seismological interest.]

Galitzin, B. On the explosion at Okhta. p. 508-515. [Of seismological interest.]

- Royal society. Proceedings. London. ser. A. v. 96. no. 674. 1919.*
 Richardson, Lewis F. Atmospheric stirring measured by precipitation. p. 9-18.
 Richardson, Lewis F. Measurement of water in clouds. p. 19-31.
- Science. New York. v. 50. 1919.*
 Romberg, Arnold. A practical long-period seismograph. p. 141-142. (Aug. 8.)
- Ritter, Wm. E. Problems of population of the North Pacific area as dependent upon the biology, the oceanography and the meteorology of the area. p. 119-125. (Aug. 8.)
- Brooks, Charles F. Organization of the American meteorological society. p. 180-181. (Aug. 22.)
- Scientific American. New York. v. 121. August 2, 1919.*
 Dobbins, H. T. A tornado that tied itself in a knot. A remarkable loop formation luckily recorded by the camera. p. 114. [From Mo. WEATHER REV., Apr., 1919, p. 234-236.]
- Scientific American supplement. New York. v. 88. August 16, 1919.*
 Marshall, C. F. Dendy. Wind resistance and railway speeds. How the model of the engine front affects the train speed and power consumed. p. 105-106.
- Kempe, H. R. Rainfall and horsepower. p. 110-111.
- Scientific monthly. New York. v. 9. September, 1919.*
 Ward, Robert DeCourcey. Some characteristics of the rainfall of the United States. p. 210-223.
- Hinsdale, Guy. The sun, health and heliotherapy. p. 253-262.
- Annales de géographie. Paris. 28 année. 15 juillet 1919.*
 Sorre, Max. L'atmosphère au-dessus de la Méditerranée, d'après les cartes du Meteorological Office. p. 315-317.
- Astronomie. Paris. 33 année. Juin 1919.*
 Touchet, Emile. A propos du phénomène des ombres volantes. p. 279-280.
- France. Académie des sciences. Comptes rendus. Paris. Tome 169. 1919.*
 Rouch, J. La vitesse ascensionnelle des ballons-pilotes. p. 83-85. (15 juil.)
- Maurain, Ch. Sur la vitesse du vent dans la haute atmosphère par temps clair. p. 79-82. (15 juil.)
- Dunoyer, L., & Reboul, G. La prévision des variations barométriques. (Réponse à M. Gabriel Guilbert.) p. 78-79. (15 juil.)
- Guilbert, Gabriel. Sur la prévision scientifique du temps par la prévision chiffrée des variations barométriques. p. 295-298. (11 août.)
- Rouch, J. La variation diurne de la vitesse du vent dans l'atmosphère. p. 293-295.
- Nature. Paris. 47 année. 19 juillet 1919.*
 Lefranc, Jean-Abel. La traversée aérienne de l'Atlantique. p. 40-46. [Includes discussion of meteorological features.]
- Radium. Paris. 11 année. Mai 1919.*
 Wigand, Albert. Mesures de conductibilité électrique dans l'atmosphère libre jusqu'à 9000 mètres d'altitude. p. 204-208.
- Rivue du ciel. Bourges. 4 année. Août 1919.*
 Moye, M. Paraglènes et niagaras électriques. p. 663-665.
- Colin, Elie. Influence du soleil et de la lune sur le baromètre à Madagascar. p. 672-673.
- Revue générale des sciences. Paris. 30 année. 15 juillet 1919.*
 Gain, Louis. La prévision des houles sur la côte du Maroc. p. 408-411.
- Greece. Observatoire national d'Athènes. Athènes. Tome 7. 1916.*
 Éginitis D[emetrius]. Le trouble du ciel et l'affaiblissement du rayonnement solaire observés pendant l'année 1912. p. 7-12.
 Éginitis D[emetrius]. Le tremblement de terre de Céphalonie-Zante du 24 janvier 1912. p. 19-22.
- Éginitis, D[emetrius]. Le tremblement de terre de Thèbes du 17 octobre 1914. p. 23-28.
- Éginitis, D[emetrius]. Les tremblements de terre de l'Eucade et d'Ithaïque des 23 et 27 novembre 1914 et du 27 janvier 1915. p. 27-32.
- Éginitis, D[emetrius]. La pluie boueuse et la poussière rouge du 6 mai 1913. p. 33-34.
- Éginitis, D[emetrius]. Discussion générale des observations sismiques faites en Grèce pendant les années 1912-1914. p. 35-41.
- Goulandris, E. Sur les tremblements de terre de Céphalonie-Zante du 24 janvier 1912. p. 42-46.
- Goulandris, E. Sur le tremblement de terre de Thèbes du 17 octobre 1914. p. 47-50.
- Critikos, N. L'île de Leucade et ses sismes du 23 et du 27 novembre 1914. p. 62-81.
- Astronomische Nachrichten. Kiel. Band 208. 1919.*
 Meissner, Otto. Reduktion der Kirschen Temperaturbeobachtungen in Berlin. (1719-1751.)
- Hemel en dampkring. Den Haag. 17 jaargang. 1919.*
 Everdingen, E. van. De halo van 24 Maart 1919. p. 10-14. (Mei.)
- Pinkhof, M. Land- en zeewinden in Nederland. p. 17-20. (Juui.) [Continuation from Maart 1919. p. 172-174.]
- Sociedad científica "Antonio Alzate". Memorias y revista. Mexico. Tomo 38. 1919.*
 Oropesa, Gabriel M. Las lluvias en la region de Necaxa. p. 249-255.
- Società geografica italiana. Roma. v. 7. Maggio-Junio 1918.*
 Azzi, Gerolamo. Quadro fenologico della Bulgaria. p. 417-433.